

Page 5, line 17, please delete "mirochannel" and replace with -- microchannel --.

Page 5, line 22, please delete "pair" and replace with -- pairs --.

Page 6, line 5, please insert -- for -- between "means" and "determining."

Page 7, line 3, please delete "chips".

Page 7, line 11, please delete "maybe" and replace with -- may be --.

Page 7, line 12, please delete "expoxy" and replace with -- epoxy --.

Page 7, line 17, please delete "cetrifugal" and replace with -- centrifugal --.

Page 8, line 3, please delete "binding pair. Such as DNA." And replace with -- binding pair, such as DNA. --.

Page 8, line 3, please insert -- at -- between "microfluidic channel" and "4".

Page 8, line 6, please replace "gel members of specific" with -- gel. Members of specific

Page 8, line 7, please replace "binding pair is" with -- binding pairs are --.

In the Claims:

Please cancel Claims 16-20 without prejudice to Applicants' right to refile the claims in a divisional application.

Please amend Claims 1, 3-5, 7-11, 13 and 14 as follows:

1. (Amended) A microfluidic device comprising a section of solid material with a microchannel having an entrance and exit port for the transportation of fluids in and out of the microchannel wherein the microchannel contains two or more spatially [spacially] separated defined regions [of] having a specific binding pair member that is complementary to an analyte.